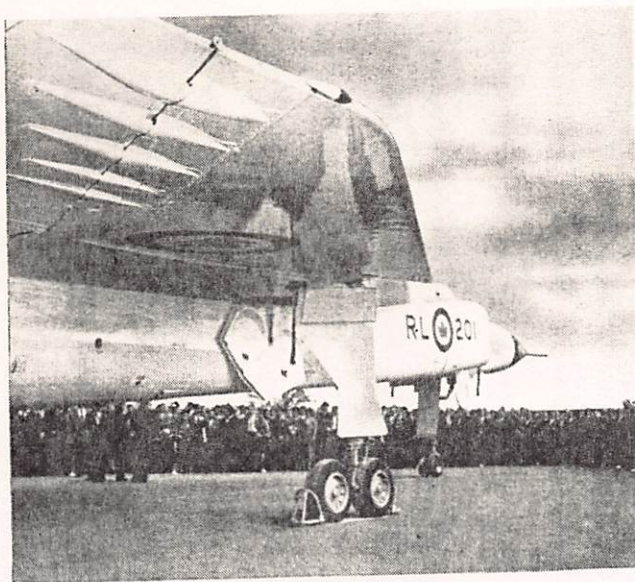


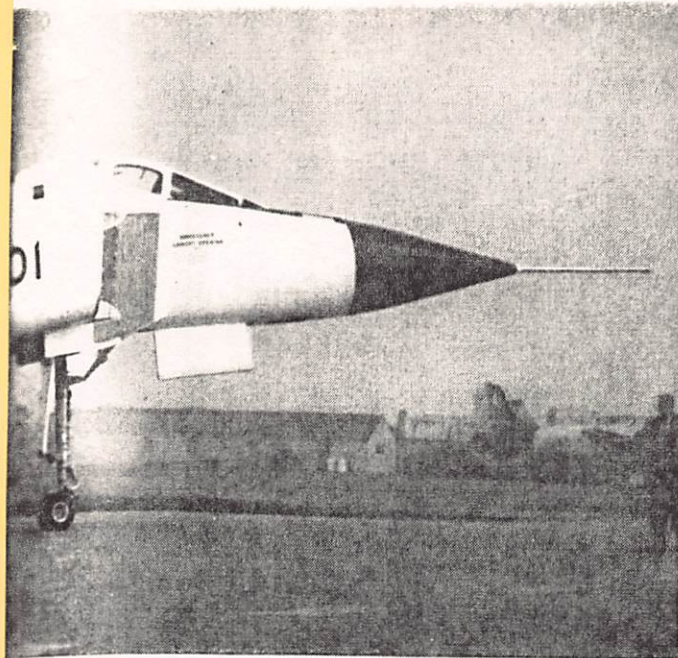
Arrow Mk I

Avro's Mighty Fighter



THE first Arrow Mk I all-weather fighter, the salient characteristics of which are brought out in the three large pictures on these pages, was rolled out from the Avro Aircraft plant at Malton, Ontario, on October 4. This magnificent aeroplane was formally unveiled in the presence of "government, military, civic and industrial leaders," and was subjected to the closest scrutiny. A feature not evident in the large views, but seen to advantage on the left, is the series of aileron-jack fairings on each wing. The picture at upper right shows Sir Roy Dobson, chairman of the board of A. V. Roe Canada, Ltd. (left) chatting with the famous Canadian pioneer J. A. D. McCurdy, who flew the Silver Dart—Canada's first aeroplane—fifty years ago. On the right of the group is Crawford Gordon, president and general manager, A. V. Roe Canada, Ltd.





IN both military and technical senses the Arrow is a very remarkable achievement. It promises an exceedingly high performance combined with long range and capacity for an unprecedented load of electronic equipment and armament. The power units of the Mk 1 version are two Pratt and Whitney J75 turbojets with reheat, but the second mark of Arrow will have Orenda Iroquois, likewise, of course, with reheat. The span of the delta wing is 50ft; overall length is 77ft 9½in and height 11ft 3in. The first Arrow was completed in under thirty months from the first design release, and the man-hours-per-pound

required for its production are claimed to have been about 80 per cent of those necessary for projects of similar size and complexity throughout the aviation industry in North America. The makers add: "It is now four years since the design started. This is considered better than average for the time required to design and build present-day high-performance aircraft." The present Arrow is said to be "on the threshold of the heat barrier" and studies are in hand to adapt the aircraft for "even higher speeds to pierce this barrier." A fighter of such all-round capability could doubtless be developed to serve as a potent strike aircraft.

